

Pierre-Louis Pery

✉ kar@karitham.dev | ☎ +33770252194 | 📍 Lille, France | 🌐 <https://github.com/Karitham>

Education

CESI Engineering School

ENGINEERING IN COMPUTER ENGINEERING

Lille, France

Sep 2019 – Jun 2024

Experience

Blockrise Capital B. V.

SOFTWARE ENGINEER INTERN

Rotterdam, Netherlands

Jan 2022 – April 2022

- Researched, and developed monitoring architecture for Google Kubernetes Engine
- Managed and audited micro-services through previously built tools
- Benchmarked and load-tested existing services and architecture to handle massive loads

Montpellier University Space Center

SOFTWARE ENGINEER INTERN

Montpellier, France

April 2021 – July 2021

- Developed a reliable stock management system suited for the needs of the space center.
- Enhanced security, speed and usability of the system by leveraging a full stack website with Caddyserver, Docker, Golang and Svelte.
- Created effective CI/CD pipelines within Gitlab to promote fast feedback loop and promote further use and modification of the code-base.
- Effectively used and developed codegen tools and descriptive open-API schemas to scale in the future, and enable further uses of the API.

Technical Skills

Languages: Go, JS/TS/HTML/CSS, SQL, Rust, C#, PHP, C/C++, Zig

DevOps: Kubernetes, Docker, Testing, CI/CD Pipelines, Monitoring (Grafana, Loki, Prometheus...)

Open Source Work

Goapi-gen

A CODE GENERATOR USED TO GENERATE BOILERPLATE, ROUTING AND TYPES USED DEFINED IN AN OPEN-API SPECIFICATION.

Golang, Open-API

<https://github.com/discord-gophers/goapi-gen>

Waifubot

COMPLETE GACHA GAME TO COLLECT AND TRADE MANGA CHARACTERS. FRONT-END AND API AVAILABLE FOR ADVANCED USE, TO PROMOTE TRADES BETWEEN PLAYERS. AVAILABLE ON OVER 300 DISCORD GUILDS, WITH THOUSANDS OF PLAYERS.

Go, Docker, PostgreSQL, Typescript, Kubernetes

<https://github.com/Karitham/WaifuBot>

Genial

A CODE-GENERATION HELPER FOR GOLANG. BUILD AN AST, GENIAL WRITES THE CODE.

Go

<https://github.com/Karitham/go-genial>

zp

A BLAZING FAST SHELL PROMPT CROSS COMPATIBLE WRITTEN IN PURE ZIG.

Zig

<https://github.com/Karitham/zp>

Corde

A HIGH LEVEL DISCORD REVERSE-WEBHOOK WRAPPER, TO ENABLE FAST MICRO-SERVICE ORIENTED DEVELOPMENTS OF DISCORD BOTS.

Go

<https://github.com/Karitham/corde>

Zemplate

A ZIG TEMPLATING ENGINE. LEVERAGES ZIG'S COMPILETIME CAPABILITIES TO ENABLE YOU TO WRITE FAST, CLEAN AND SAFE TEMPLATES

Zig

<https://github.com/Karitham/zemplate>